



An ARRL
Affiliated
Ham Radio



LARK News

Volume 12 Issue 02

February 2012

Inside this issue:

LARK Officers	2
General Meeting	5
Radio Programming	5
Monday Night Net	6
Radio News	8
LARK News	10
DStar Presentation	13
Calendar	21
LARK Net Schedule	22



At the February LARK meeting on Saturday 18th we will have the pleasure of Walnut Creek CERT team who will be giving a presentation on the CERT operations.



Find us on Facebook

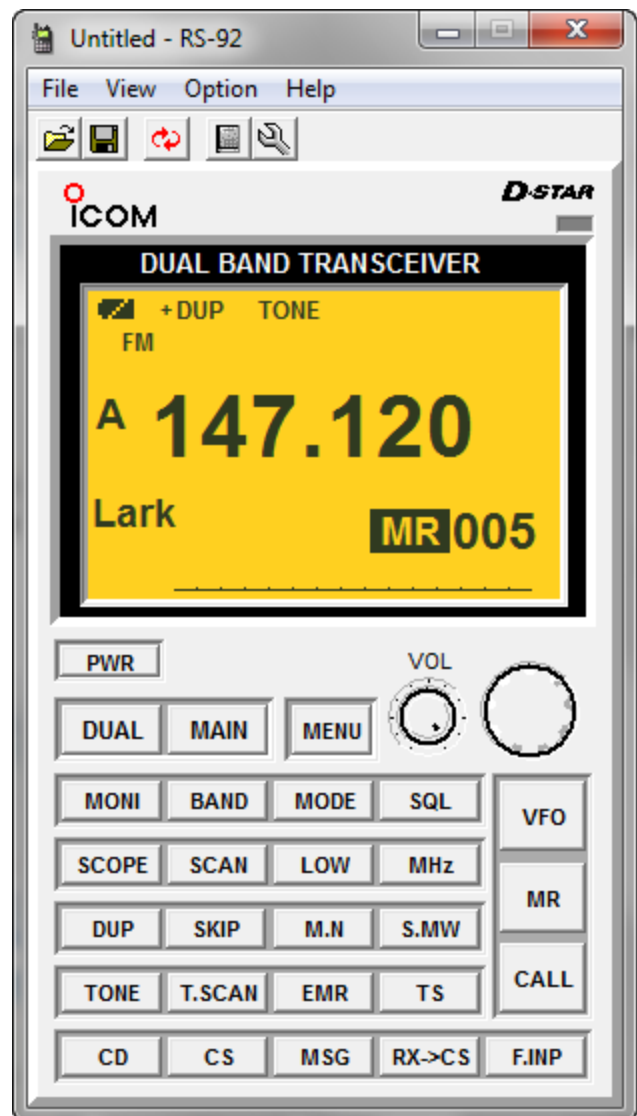
<http://www.facebook.com/LivermoreARK>

Going Cheap.....



Did you know that LARK membership is only \$20 per year? Please renew or even join and support us... Contact Jeff KG6JHQ Membership chairman. More information can be found on page 11.

Need Help Programing your Radio?



See Page 5 for details!



LARK Klub Information



Officers

			email	phone
President	David Counts	KG6WIR	kg6wir@sbcglobal.com	(see roster)
Vice President	Chris Quirk	W6CJQ	w6cjq@yahoo.com	(925)-828-1003
Secretary	Ian Parker	W6TCP	w6tcp@comcast.net	(925)-405-5835
Treasurer	Dorothy Lee	KJ6MFN	kj6mfn@yahoo.com	(See roster)
Board	John Hovenden	WB6YAF	jhovenden@sbcglobal.net	(see roster)
Board	Len Ivarson	WA6SDA	lbivar@pacbell.net	(925)-454-0188
Board (PP)	Lee Zalaznik	KI6OY	lee.zalaznik@sbcglobal.net	(see roster)
Activities	<i>Vacant</i>			

NOTE: Change the (at) to @ when emailing any of the LARK officers.

Communication Information

LARK Repeaters: 147.120 MHz, + offset, PL 100

Telnet: w4uat.no-ip.com

LARK PBBS: 144.350 WA6ODP-3

Committees

Membership	Jeff Child	KG6JHQ
Network Coordinator	Ed Diemer	AE6D
Repeater	Arnold Harding	KQ6DI
Swap N Shop	Ron Kane	AD6KV
Packet Cluster	Larry Word	W4UAT
RFI	Rich Whipkey	AD6X
T-Hunts	Rich Harrington	KN6FW
VE Team	Ron Kane	AD6KV
Contest Coordinator	<i>Vacant</i>	
Publicity	<i>Vacant</i>	



Newsletter

Editor Ian Parker

W6TCP

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Contact Information

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February Meeting Program

Walnut Creek CERT



Ian W6TCP

LARK Activities Chairperson (Acting)

LARK General Meeting:

- Saturday, February 18th
- 09:30 at Livermore Council Chambers, 3575 Pacific Ave, Livermore
- Early Bird Breakfast at Sharis (formally Barkers Square)
- Talk-in on AD6KV 147.120 repeater
- Everyone is welcome

LARK Business Meeting:

- Following General Meeting

General meeting—Saturday January 21st

Call to order by David KG6WIR at 9:34am

Self Introductions.

Visitors/Prospective members

Jim K6JM (January Presenter)

Carl Feighner

Dave KG6MQI

Dennis Clare

Geraldine

Joe NR7Z

Alexander Pummer

General meeting minutes/Corrections to previous month's minutes

Accepted and seconded.

LARK Newsletter, any corrections?

Two corrections were identified.

January version Office elections should have been "Officer Elections". Bob KK6GN thought that the presidents email was showing different emails address.

Officer Reports

David KG6WIR

There is a card for Maurice who was the local MARS coordinator who passed away recently. Please sign the signup sheet that is going around the room.

A great time was had at the Christmas party. Pictures were in the December LARK newsletter if you missed it!

Vice President/Chris W6CJQ

Feb 4th Ham cram in Rossmoor 50/60 signups expected.

Walnut Creek CERT program will be presenting at the Feb meeting.

Treasure Reports

Reports are available from David KG6WIR or Chris W6CJQ

Activities/Ian W6TCP

CERT in February

Battery packs in March

Elections in April

Standing Committees

Membership/Jeff KG6JHQ

Membership renewals are due Jan 2011. As of 20th Jan there are 95 members paid up 58%

15 members either renewed or joined today!

John WB6ETY wanted to know is LARK has considered offering a life membership just like ARRL?

Newsletter/Ian W6TCP

Tuesday is the deadline for the newsletter..

Repeaters

Alan KK6ZL uploaded the script for 2012.

VE Team/Ron AD6KV

Ron AD6KV There will be a test session following meeting today. The next LARK Ham Cram will be on March 10th.

ARES, RACES/Ed AE6D, John WB6ETY

Alan has published a new roster.

Network Coordinator/ Ed AE6D

Ed is working on a report from the Monday NETS. This will be published in the newsletter.

General meeting—Continued

Recurring Business

New Events

Here are the dates for the first Public Service events that the Klub will be supporting. LARK coordinator call in in brackets.

Cinderella	3/31	(AD6TA)
DMD	4/28	(WB6ETY)
Wente Classic	4/28	(W6CJQ)
Mt Ham classic	5/27	(WB6ETY)

Operating DX/HF/VHF

Art WS6T listening on 40M and worked a station near Sth Africa.

Ron AD6KV reports that a “coronal mass ejection” See Radio news for full details.

Lee KI6OY reports 10M is buzzing....

New Business

Roger N6GRF is looking for a party to take down the antennas at W6PYO. Ian W6TCP will lead efforts to remove the antenna.

Len WA6SDA. Len is not allowed on the roof and not allowed to buy anymore equipment. 5 years ago obtained a oscilloscope it doesn't work wants to get rid of it.

Update... this item has been collect and Len is grateful (and really happy)!

David KG6WIR reports that the Officer elections in April.

David is looking for a chair to head up the Committee to find new officers for the April election.

Tom Epperly and Jim Latham merit badges for scouts. David will contact Tom.

Meeting Closed at 11:40

Business meeting

Opened at 12:00pm

David went over the financial of the club.

Repeaters

LARK used to make a donation to what was then the K6LRG. Since this system is now under new management. Chris W6CJQ made a motion to move the finds to the new trustee. Motion made and passed.

David will speak to Tom to see if LARGE payment in 2011. Motion to increase the funds to \$260 /y. Motion made and passed.

Both motions were unanimously accepted and approved with the exception of Ian W6TCP abstained from both motions as he is the Trustee of W6SRR.

Officer's elections

Election of officers Chris W6CJQ will lead efforts to find a committee.

New Business

Food donation

Len made a motion to make a donation to Jim KF6VU of \$100 in February for food/drink services. Motion made and passed.

Lifetime membership

Chris W6CJQ is placing a statement together for the purpose of LARK lifetime membership. Has or have Positive impact on the LARK recognized by the membership.

Programming Classes

Ian and Chris will advise a programming service to members. W6CJQ to confirm what he has software wise so Ian can publish it in the newsletter.

WB6ETY to send the Alameda file.

Old Business

History of LARK

Meeting to take place to go over Jerry's W6NCQ KG6JHQ, WB6YAF, WB6ETY, KG6WIR, W6CJQ, W6TCP Tuesday 24th 7pm Venue TBD

New form for Visitors sign up sheet
Ian W6TCP suggest it would be a good idea to have a separate sheet for visitors. This will make it easier to collect names, email and phone numbers so we can follow up later. David will make up the form.

Business Meeting adjourned at 1pm

Radio Programming Service

Ian W6TCP & Chris W6CJQ

As a new service to LARK members we are offering a Radio programming service.

We will help you program your radio with any local simplex/repeater channels.



VX-510

VXR-1000
VXR-7000
VXR-5000
VX-800

VX-180
VX-160
VX-600
VX-900
VX-2500
VX-3000
VX-4000
VX-6000
VX-310
VXA-700

Icom

IC-2820
IC-91AD
IC-92

Kenwood

TH-F6
TH-D72
TM-700A

Vertex/Yaesu

FT-60
FT-8800
FT-8900
FT-1500m

VX-10
VX-400
VX-210
VX-160
VX-180

FTH-2008
FTH-7008
FTH-2070
FTE-18/19

VX-3000
VX-2000
VX-200
VX-500

Motorola

XPR-65XX

So if you would like help, contact Ian W6TCP and Chris W6CJQ. See contact information on page 2)

If you don't see your radio listed, contact Ian and Chris as they might be able to locate a copy.



Monday Night Net Report

By Ed AE6D

LARK Monday Night Net Report

The LARK Monday Night Net was conducted every week during the 52 weeks of 2011. There were an average of 8 AC and 10 DC check-ins for an average total of 18 check-ins per week. The average number of DC and Total check-ins both decreased by 2 from 2010: we went from 39% AC/61% DC (2010) to 45% AC/55% DC (2011).

We try to encourage check-ins that are on DC (“back-up” power) rather than on commercial grid power (“mains”). We lost a little ground on that this past year. The range of check-ins per week was 10 (July 4) to 25 (June 6). There were 923 check-ins for the 52 weekly nets!

On the first Monday of the month we rotated the net control between the three EOCs in the valley (Livermore, Pleasanton, and Dublin). A few times this year Net Control was run from outside an EOC building (mobile or portable) because we could not get in or use the fixed facilities.

There were eight net controls who took 1-14 turns each at net control during the year. The net controls were WB6AEA, N6BM, AE6D, WB6ETY, N6FQQ, AD6KV, WS6T, and KI6VIE. Thanks to all participants and net controls in the net! The net is one way we can prepare for communications skills that could be needed in emergency conditions.

Submitted by Ed, AE6D

See the details on Page 7



LARK Net Control Operators Wanted

If you would like to become a Net Control Operator for the LARK Monday Night Net please contact Ed AE6D.

Training/Coaching is provided if needed and you can provide a valuable service and learning important skills.

Please contact Ed AE6D



**Summary of Scheduled Monday Night Radio Nets
Livermore Amateur Radio Klub/ARES/RACES
2011**

1st Quarter					2nd Quarter					3rd Quarter					4th Quarter				
Date	NCS	AC	DC	Total	Date	NCS	AC	DC	Total	Date	NCS	AC	DC	Total	Date	NCS	AC	DC	Total
Jan * 3	AE6D	8	13	21	Apr * 4	WB6ETY	9	13	22	Jul * 4	AD6KV	2	8	10	Oct * 3	AD6KV	8	8	16
10	WB6AEA	6	7	13	11	WB6AEA	10	11	21	11	KI6VIE	7	8	15	10	AE6D	7	9	16
17	AD6KV	9	7	16	18	WB6ETY	9	11	20	18	WB6ETY	8	9	17	17	KI6VIE	8	10	18
24	N6FQQ	7	15	22	25	AE6D	9	12	21	25	WB6AEA	7	12	19	24	WB6AEA	8	10	18
31	AE6D	8	10	18	May * 2	AE6D	10	8	18	Aug * 1	N6BM	10	9	19	31	WB6ETY	6	11	17
Feb * 7	AE6D	4	15	19	9	AD6KV	7	7	14	8	WB6AEA	5	10	15	Nov * 7	WS6T	11	8	19
14	WB6ETY	10	9	19	16	WB6AEA	8	11	19	15	AD6KV	8	12	20	14	AE6D	7	5	12
21	WB6AEA	9	11	20	23	WB6ETY	5	9	14	22	AE6D	7	9	16	21	AE6D	9	12	21
28	AD6KV/AE6	9	7	16	30	WB6AEA	10	9	19	29	KI6VIE	7	10	17	28	WB6AEA	7	13	20
Mar * 7	WS6T	14	9	23	Jun * 6	WS6T	10	15	25	Sep * 5	WS6T	9	15	24	Dec 5	AE6D	11	7	18
14	AD6KV	14	7	21	13	KI6VIE	7	6	13	12	WB6ETY	5	6	11	12	WB6ETY	9	13	22
21	AE6D	11	11	22	20	AE6D	5	13	18	19	WB6AEA	7	8	15	19	WB6AEA	7	6	13
28	WB6ETY	6	11	17	27	WB6AEA	9	9	18	26	WB6AEA	6	6	12	26	WB6AEA	6	8	14
1st Qtrr Average	9	10	19		2nd Qtrr Average	8.3	10	19		3rd Qtrr Average	7	9	16		4th Qtrr Average	8	9	17	

Notes:

- Most checkins are from Livermore, Pleasanton, Dublin, and San Ramon. There are frequent checkins from outside the valley.
- Power source: AC=commercial power, DC=non-commercial, or emergency, power.
- *Since April 1, 2002, the first net of every month has been run from an EOC. The NCS rotated between Livermore, Pleasanton and Dublin but usually all three EOCs were staffed/tested.
- NCS=callsign of amateur radio operator who conducted the net (Net Control Station).

2011 Checkins

Power	Total	%	Avg.
AC	415	45	8
DC	508	55	10
All	923	100	18

Propagation de K7RA

28 January , 2012

This was another week in which average daily sunspot numbers declined, but average daily solar flux increased.

Predicted solar flux is 120 on January 27-30, 125 on January 31 through February 2, 120 on February 3, 140 on February 4-8, 145 and 150 on February 9-10, 155 on February 11-13, 150 on February 14-19, and 145 on February 20-23. That's right, the long anticipated short term solar flux peak of 165 from February 17-21 is gone. The last forecast which still held this number was on January 23 (see

<http://www.swpc.noaa.gov/ftpdir/forecasts/45DF/012345DF.txt>)

and on January 24

(<http://www.swpc.noaa.gov/ftpdir/forecasts/45DF/012445DF.txt>) it changed.

Predicted planetary A index is 8 on January 27-28, 5 on January 29 to February 7, 8 on February 8-9, and 5 again on February 10-23.

At 0617 UTC on January 22 an impact from a coronal mass ejection caused the high-latitude college A index to reach 38, and sparked aurora. The index hit 38 again on January 25. On January 23 around 0400 UTC a powerful M9 solar flare erupted, and this was right on the threshold of becoming an X-class flare. The CME hit Earth around 1500 UTC on January 24, causing bright aurora.

Watch a lovely video of the event:



http://www.youtube.com/watch?feature=player_embedded&v=-ilr8p13A2o

Also check this British report:

<http://www.wired.co.uk/news/archive/2012-01/24/sunspot-explosion>

and this one from Montreal:

<http://montreal.ctv.ca/servlet/an/local/CTVNews/20120124/northern-lights-solar-storm-120124/20120124/?hub=MontrealHome>.

As this bulletin is being written early Friday morning, sunspot group 1408 is facing Earth directly, but it is weak. Group 1402 is passing below the western horizon, and 1410 is coming around from the east.

At <http://stereo.gsfc.nasa.gov/> it looks like a very active region is all the way on the other side of the Sun, at the 180 degree meridian.

Fritz Huttelmayer, WB2QWH of Cheektowaga (Buffalo) New York wrote: "I just wanted to give you my observations of six meters during the contest this past weekend. I have been on six a couple of times over the past two years, running an Icom IC-703 Plus into a 40 meter attic dipole. I am not a serious VHF operator, as I operate mostly HF QRP CW.

"I listened in on some of the activity during the January VHF contest. I heard a W4 in Florida exchange grid squares with a W7 in the state of Washington. Also heard were stations from Indiana, Nevada, Texas, etc. The band sounded more like 20 meters on a good day. No wonder they call it 'The Magic Band.'"

Mike Schaffer, KA3JAW of Tampa, Florida sent an article about solar flares. Read it at http://www.nasa.gov/mission_pages/sunearth/news/classify-flares.html.

Mike also commented about a recent television signal he received from XHTV (running 64 KW) in Mexico City: "On Tuesday, January 24 a Mexican broadcaster on television channel 4 suddenly flashed upon the screen for about five minutes (0002-0007 UTC) due to a Sporadic-E flash event that produced a moderately strong signal coming in with a color carrier and audio.

"The event occurred nine hours after the Coronal Mass Ejection had hit the Earth's magnetic field at approximately 1500 UTC.

"Mexico City is 1,205 air mile distance at 245 degrees from my location. The best part of an Es storm is that you do not have to park your antenna at the precise azimuth toward the transmitter tower site.

"In my case the antenna was aimed due south at 180 degrees, which would be 65 degrees off the main beam."
Thanks, Mike!

Ron McCollum, W7GTF of Winthrop, Washington wrote to ask if I ever heard any theories about the stock market correlating with the sunspot cycle.

I have heard of the stock market theory, and various other correlations with solar activity. Every time I hear of it, I think back to my eighth grad math class, when the text had a chapter on correlation, causation and post hoc fallacies. To illustrate, the book displayed a graph comparing smoothed sunspot numbers with cardboard box production in the United States. They seemed to track quite closely.

K7SJB years ago swore that periods of social unrest tracked with sunspot numbers. "Tad. Remember how much fun we had in 1968-1970?," Stan would insist. "And the mania in securities trading till the 1929 crash?"

I get a lot of mail asking about this sort of thing. I like to recall a presentation by Dr. James Alcock - professor of psychology at York University, Canada - at Skeptic's Toolbox in Eugene Oregon about the mind as a belief engine. One of the concepts presented was that the human brain is hard wired for correlation and belief, and how this figures into the evolution of the brain.

This weekend is the CW portion of the CQ World Wide 160-Meter Contest. Expect good conditions, with quiet stable geomagnetic indicators and a temporarily declining sunspot number. You can find details at <http://www.cq160.com/>.

If you would like to make a comment or have a tip for our readers, email the author at, k7ra@arrl.net.

For more information concerning radio propagation, see the ARRL Technical Information Service at <http://arrl.org/propagation-of-rf-signals>.

For an explanation of the numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>.

An archive of past propagation bulletins is at <http://arrl.org/w1aw-bulletins-archive-propagation>.

Sunspot numbers for January 19 through 25 were 117, 88, 102, 103, 108, 105, and 68, with a mean of 98.7. 10.7 cm flux was 157, 141.2, 141.6, 141, 144.3, 135.7, and 126.4, with a mean of 141. Estimated planetary A indices were 3, 4, 6, 21, 9, 17, and 14, with a mean of 10.6. Estimated mid-latitude A indices were 1, 3, 6, 22, 7, 13, and 17, with a mean of 9.9.

Source: [The American Radio Relay League](http://www.americanradiorelayleague.com)

• All propagation reports can be found at: <http://www.southgatearc.org/propagation>

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FCC sets date for medical devices on 70 cm

The ARRL report that the FCC has permitted medical devices to use 426–432 MHz and 438–444 MHz from February 27.

In November 2011, FCC Commissioners unanimously agreed to allocate spectrum and adopt service and technical rules for the utilization of new implanted medical devices that operate on 413–457 MHz (70 cm).

These devices will be used on a secondary basis as part of the Medical Device Radiocommunication (MedRadio) Service in Part 95 of the FCC rules.

In the Federal Register for Friday, January 27, the FCC announced that the effective date for these new rules is Monday, February 27. The new rules expand the existing MedRadio Service rules to permit the use of new wide-band medical implant devices that employ neuromuscular micro stimulation techniques to restore sensation, mobility, and other functions to paralyzed limbs and organs. These medical devices hold enormous promise to advance the state of medical care, lower health costs, and improve the quality of life for countless Americans.

The rules will allow these new types of MedRadio devices to access 24 megahertz of spectrum in the 413–419 MHz, 426–432 MHz, 438–444 MHz, and 451–457 MHz bands on a secondary basis.



LARK News

LARK Welcomes.....



Dennis Clare (Callsign TBD)



Joe Eno N6ENO



Carl Feighner (Callsign TBD)



Jim K6JM

Congratulations to.....

Carl and Dennis passed the Tech exam following the LARK meeting in January !



Alexander Pummer



LARK News

IT'S THAT TIME OF YEAR AGAIN...

LARK membership renewals are due for 2012.

There are three ways to make your payment to LARK.

The easiest way is to click on this link <http://www.livermoreark.org/membership/membership.html> and use PayPal to make your payment by clicking on the "Buy Now" button.

The second way is to write a check. Make it out to LARK, and send it to the membership chairman, Jeff Child, KG6JHQ at 9561 Sand Point Dr., San Ramon, CA 94583. The third way is to attend the January Klub meeting and hand the membership chairman a check or cash.

Remember family members are only an additional \$2 per person. And, if any of your information like email address or QTH has changed, please let me know so I can update the LARK membership roster.

In any case, please let me know if you are a member of ARRL or not.

I look forward to hearing from you.

73,
Jeff
KG6JHQ
Membership Chairman
kg6jhg@gmail.com

LARK Mugs \$12



LARK Badges \$10



See the treasure for details!

~ ~ ~ ~ ~



Read all about it next month!



January LARK Presentation



Klutz Award



Jeff KG6JHQ has a home brew antenna, ARRL 10m contest. Added 6/7 feet to for a rotator. Bent upper part of Mast during install.

Congratulations Jeff !



Jim K6JM

Jim K6JM was the presenter at the January meeting and the subject was “Fun new ways to use DStar”. The main slides that Jim presented are available in this newsletter.



Jim receives his LARK Mug!

Fun New Ways to use D-Star



Artwork by Philip
"Gil" Gilderleeve
W1CJD

Jim Moen - K6JM
January 21, 2012
Livermore Amateur Radio Klub

What's New, What's Classic?

I only go back to the SSB vs. AM wars

- First transmitter: Globe Chief Deluxe (75 watts CW)
- Upgraded in 1960, added VFO & screen modulator (AM)
- In 1961 I went SSB
- The AMers could not stand the squawks coming out of their receivers
- Yet today I can still hear AMers on the air



What did I learn?

- Many of us don't like change
- The old ways were super and we should keep them
- But new ways are also fun

D-Star: Most successful Digital Voice mode so far



- JARL facilitated open RF protocol using AMBE chips for CODEC
- Only ICOM so far has produced radios
- K6LRG (Ian W6TCP, Trustee), K6MDD, W6CX are some of the Bay Area D-Star repeaters
- Hams have begun to homebrew extensions to D-Star, including HotSpots

What's a HotSpot?



Why HotSpots?



- If your QTH has no RF access to a D-Star repeater
- Or (like my QTH) is in a multipath shadow
- Or you want to link to whatever repeater whenever you want
- Or you need extra power for extra range
- Analog Radio must provide access to discriminator and to direct FM modulator (9600 Data Port normally works)
- PC runs free software (DVAR, WinDV, others)
- GMSK Modem interfaces the PC and the radio

Just what is a GMSK Node Adapter?

- Also called Mini Hot Spot (MHS) or GMSK Modem
- TX: generates gmsk audio for analog FM transmitter
- RX: demodulates audio for processing by PC
- Decodes the gmsk protocol (headers, routing info)
- Does NOT decode or generate Digital Voice stream
- So you need a D-Star radio to use it
- Relatively inexpensive



GMSK Node Adapter Sources

- **Fred van Kempen PA4YBR**
 - <http://www.dutch-star.eu>. Provides "mini hotspot" boards, related hardware, firmware and tools.
- **Matrix Circuits & MoenComm**
 - <http://www.moencomm.com>. Provides built SMT boards based on PA4YBR's design, comes with DUTCH*Star firmware and tools.
- **Satoshi Yasuda 7M3TJZ/AD6GZ**
 - <http://d-star.dyndns.org/>. Designed the first Node Adapter. Also produces firmware and tools.



5 Simple Steps to Setup HotSpot

Check out www.k6jm.com/dstar



1. Register on the D-Star network
2. Install software tools to configure & test
3. [Load firmware on GMSK Node Adapter board]
4. Configure and test board
5. Install & Configure software (e.g. DVAR, WinDV)

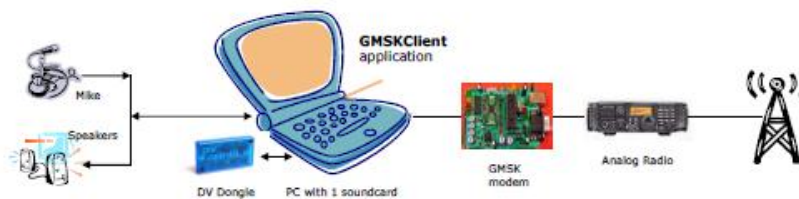
More uses for GMSK Node Adapter



By Philip "Gil" Gildersleeve
W1CJD

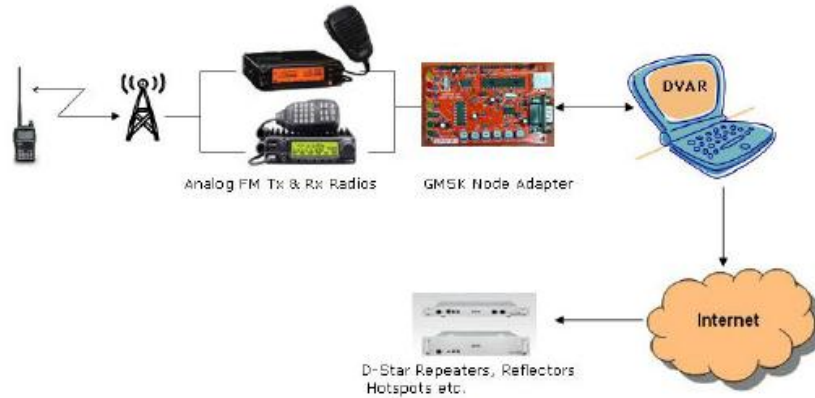
- Convert analog FM radio to D-Star DV
- Put up inexpensive DV repeater using analog radios

Transmit D-Star DV over Analog FM radio



- PC App: **GMSKclient** by Jonathan Naylor, G4KLX (Windows, Linux)
 - Available in Files section of "dstar_development" Yahoo group
- Analog radio with 9600 Data port (VHF/UHF or HF)
- GMSK node adapter same as used by HotSpot
- DV Dongle provides access to AMBE codec chip used to encode/decode DV
- Talk to those IC-9100s using D-STAR on 6 and 10 meters
- D-STAR DX on HF!
- Inexpensive
- Cheaper than the Alternative
 - DV Adapter 2.0 (\$600) has LCD, control pad, does not need PC

A GMSK Node-Adapter D-Star Compatible Repeater



- Hardware is not expensive (but don't forget the duplexer)
- Choices for software: WinDV, DVAR are simple
- G4ULF (Linux) creates G2 compliant D-Star Repeater
- G4KLX "GMSK Repeater" + ircDDB Gateway

What else is coming?



- Boards with AMBE codec chip
 - Plug headset into Hotspot board, hear and generate D-Star digital voice
 - Don't need D-Star radio in the shack
- Cheaper DV Adapters
 - Add D-Star to analog radio without needing a PC)
 - Add AMBE chip, LCD and control pad
- All kinds of new software

Shameless Plug



MOENCOMM
DIGITAL AMATEUR RADIO



- www.moencomm.com
- I sell the Star*Board Node Adapter
- Includes DUTCH*Star firmware
- \$119 SMT board
- Professionally fabricated
- Great support

Summary



- Do It Yourself is still fun
- This stuff is easy - We can all do it
- Lots of support available
 - Getting Started: www.k6jm.com/dstar
 - Yahoo Groups:
 - gmsk_dv_node
 - dstar_development
 - gmsk_dv_modem
 - DVRPTR
 - Vendors' sites:
 - MoenComm K6JM www.moencomm.com
 - Fred van Kempen PA4YBR www.dutch-star.eu
 - Satoshi Yasuda 7M3TJZ/AD6GZ d-star.dyndns.org/

LARK Ye Olde Meetings.....

Jerry W6NCQ was the LARK Klub historian and for many years collected and prepared many albums worth of pictures from various LARK activities that took place over several decades.

Starting next month, we will be sharing a collection of the pictures that Jerry collected. There are a lot of pictures showing many of the current LARK members from several years ago. If you want to avoid having these pictures printed you can make a donation to the LARK bank account fund to save any kind of embarrassment! :)

These activities included LARK meetings, Field Day, Antenna Parties, Swap meets and other radio events with LARK members attending.



FEBRUARY 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Windfarms 7:30pm Net 28.485 USB	2	3 LLNL 8:30am 7.2630 LSB	4
5	6 RACES Net 7pm 147.120 + pl 100 NC: AE6D	7	8 Windfarms 7:30pm Net 28.485 USB	9	10 LLNL 8:30am 7.2630 LSB	11
12	13 RACES Net 7pm 147.120 + pl 100 NC: AD6DV	14	15 Windfarms 7:30pm Net 28.485 USB	16	17 LLNL 8:30am 7.2630 LSB	18 LARK Meeting
19	20 RACES Net 7pm 147.120 + pl 100 NC: AE6D	21 Newsletter Deadline	22 Windfarms 7:30pm Net 28.485 USB	23	24 LLNL 8:30am 7.2630 LSB	25
26	27 RACES Net 7pm 147.120 + pl 100 NC: KI6VIE	28	29 Windfarms 7:30pm Net 28.485 USB			

LARK Nets

*1	LARK/Livermore net:	Every Mon	1900 local	147.120 +	pl 100
*2	Windfarms 10-10 net:	Every Wed	1930 local	28.485	USB

Communication Nets of Interest

SWOT	Every Sunday and Tuesday	2000 local	144.250 USB	
The Noon Time Net	Every Day	1200—1400 local	7.2685 LSB	3970 LSB
RV Radio Network	Mon - Fri	0800 — 0930 local	7.2685 LSB	
LLNL Retirees net	Fridays	0830 local	7.2630 LSB	

RESOURCES

How to renew a ham license

Visit the FCC ULS web site which explains the renewal procedure. (It can be done manually with a Form FCC 605 or on line.) The web site is:

http://wireless.fcc.gov/services/index.htm?job=cft&id=amateur&page=cft_renew_amateur

If that address is to awkward then use: <http://wireless.fcc.gov/uls/> and click on "Log In". This route is faster but does not give instructions on how to use it like the long address above does.

Notice Board

To add/remove notices, contact Ian W6TCP

This area is available for any LARK members new or old to Ham radio who would like help with anything i.e. programming rigs, antenna work, advise..... Computer issues etc. !!

For Sale:

Livermore **LARK Net**

Net Control Schedule

January – March 2012

The Monday night Net Control Operator schedule is listed below. Everyone is invited to check in to the net. We welcome additional Net Control Operators. Please contact AE6D if you would like more information.

Month	Day	Op	Name	Month	Day	Op	Name	Month	Day	Op	Name
Jan	2	EOC		Feb	6	EOC		March	5	EOC	
	9	AE6D	Ed		13	AD6KV	Ron		12	WB6ETY	John
	16	KI6VIE	Gary		20	AE6D	Ed		19	WB6AEA	Jon
	23	WB6ETY	John		27	KI6VIE	Gary		26	AD6KV	Ron
	30	WB6AEA	Jon								

After the net, please call me with the AC/DC statistics or send me the information.

Thanks, Ed AE6D

12 STORE BUYING POWER



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

ANAHEIM, CA
(Near Disneyland)
903 N. Euclid St., 92801
(714) 533-7373
(800) 854-8046
Janet, KJ7MF, Mgr.
anaheim@hamradio.com

BURBANK, CA
1525 W. Magnolia Blvd., 91506
(818) 842-1786
(877) 892-1748
Eric, K6EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

OAKLAND, CA
2210 Livingston St., 94606
(510) 534-5757
(877) 892-1745
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 Kearny Villa Rd., 92123
(858) 560-4900
(877) 520-9623
Josa, XE2SJB, Mgr.
Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

SUNNYVALE, CA
510 Lawrence Exp. #102, 94085
(408) 736-9496
(877) 892-1749
Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Chuck, N1UC, Mgr.
RT. 13 1/4 mi., So. I-295
newcastle@hamradio.com

PORTLAND, OR
11705 S.W. Pacific Hwy.
97223
(503) 506-0555
(800) 765-4267
Bill, K7WCE, Mgr.
Tigard-90W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
8400 E. 18th Ave. #9, 80231
(303) 745-7373
(800) 444-9476
John, W8IG, Mgr.
denver@hamradio.com

PHOENIX, AZ
10613 N. 43rd Ave., 85029
(602) 242-3515
(800) 559-7388
Gary, N7GJ, Mgr.
Corner of 43rd Ave & Peoria
phoenix@hamradio.com

ATLANTA, GA
5071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VO, Mgr.
Deraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIIDGE, VA
(Near Washington D.C.)
14803 Build America Dr. 22191
(703) 643-1063
(800) 444-4799
Steve, W4SHG, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-8047
Pat, K1YM, Mgr.
salem@hamradio.com
Exit 1, I-93,
28 mi. No. of Boston
salem@hamradio.com

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM
- 10W 1.2 GHz w/opt UT-20 module
- Built-in TNC, DX packet cluster
- IF Stage DSP • Backlit Front Key Panel

Call Now For Special Price!



TH-F6A

- 2M/220/440
- Dual Channel Receive
- 1 - 1300 mHz (call blocked) Rx
- FM, AM, SSB
- 5W 2M/220/440 TX, FM
- 435 Memories
- Li-Ion Battery

Call For Low Price!



TM-D710A 2M/440 Dualband

- 50w 2M & UHF
- Optional Voice synthesizer
- 1000 memories • Dual receive
- Advanced APRS Features
- Echolink® Ready w/ 10 memories
- Built-in TNC • Sky Command II+
- GPS V/D Port
- Choice of Green/Amber LCD backlight

Call Now For Special introductory Price!

REMOTE RIG



RRC-1258 MkII-Set



This set of interfaces allows remote control of your Amateur Radio Station via Internet in a user-friendly and cost effective way!

RemoteRig gives you control of the radio coupled with crystal clear TX & RX audio and sending CW with your own Paddle!

Works with all Computer-controllable radios from:
Alinco • Elecraft • ICOM • Kenwood • Yaesu

For radios with detachable front panels
no PC is required for:

- TS-480HX/S40; TS-2000 (RC-2000 req'd); IC-703/Plus
- IC-706 series; DX-6RRT; IC-2820H; IC-R2500

Just simply insert your control box in place of your front panel interconnect cable, place the body of the radio on the remote end and you are on the air as if you are there!

Extra Controller and Remote interface units sold individually for multiple sites/users.

Available exclusively from all HRO Locations!



DJ-G7T 2m/440/1.2 Triband HT

- Full duplex any two bands
- Internal VOX
- CTCSS/DCS + Tone scan built-in
- Hi-capacity Li-Ion battery
- 1000 Memories

Low Pricing!



DR-135TP 2M mobile

- 50Watt out • Alpha numeric display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS In • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!

COAST TO COAST FREE SHIPPING

UPS - Most Items Over \$100



Rapid Deliveries From The Store Nearest To You!

YAESU



VX-8DR/VX-8GR

- 50/144/220/440 (VX-8DR)
- 2m/440 w/ Built-in GPS (VX-8GR)
- 5w (1w 222 Mhz VX-8DR only)
- Bluetooth optional
- Waterproof/submersible
- 3 ft 30 mins
- GPS/APRS operation optional
- Li-Ion Hi-capacity battery
- wide band Rx



FT-857D

- Ultra compact HF, VHF, UHF
- 100w HF/6M, 50w 2M, 20w UHF
- DSP included • 32 color display
- 200 mems • Detachable front panel (YX-857 required)

Call for Low Price!



FT-2000 HF + 6M tcvr

- 100 W w/ auto tuner
- built-in Power supply
- DSP filters / Voice memory recorder
- 3 Band Parametric Mic EQ
- 3 IF roofing filters

Call Now For Low Pricing!

LARK Membership Form

New Member Renewing Member Family Member Returning Member

Name: _____ Call: _____ ARRL Member?

Address: _____

City: _____ State: _____ Zip: _____

Phone: () _____ Unlisted Number: Yes No

Email: _____

The Newsletter is produced and distributed the last week of the month via email. Signup for the LARK Yahoo group [here](#)

Additional Family Members (at same mailing address)

Name: _____ Call: _____ email _____ ARRL Member?

Name: _____ Call: _____ email _____ ARRL Member?

LARK annual dues are \$20.00 (January through December). Additional family members at same address are \$2.00.

Annual Membership dues: # ____ Primary \$20.00 # ____ Each Additional \$2.00 Total: \$ _____

Mail form and dues to: Membership Chairman, LARK, 9561 Sand Point Drive, San Ramon CA. 94583

You can also reach the Membership Chairman via email kg6jhg@gmail.com Visit Livermore Amateur Radio Klub on the web at www.livermoreARK.org or www.facebook.com/livermoreARK



Livermore Amateur Radio Klub

P.O. Box 3190

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